

FORM PTO-1390
(REV 10-94)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

10921.0273USWO

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

Unknown 107523506

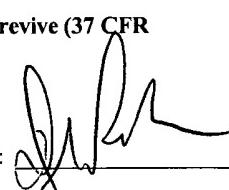
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/JP2003/010036	August 6, 2003	August 7, 2002
TITLE OF INVENTION		
METHOD OF SEPARATING TARGET GAS		
APPLICANT(S) FOR DO/EO/US		
SUMIDA et al.		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(l).
4. A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. has been transmitted by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US)
6. A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. have been transmitted by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A FIRST preliminary amendment.
 A SECOND of SUBSEQUENT preliminary amendment.
14. A substitute specification.
15. A change of power of attorney and/or address letter.
16. Other items or information: Application Data Sheet (5 pages), 11 sheets of formal drawings, COMMUNICATION UNDER 37 C.F.R. §1.32(c)(3), Form 1449 (9 references), International Publication Page WO 2004/014523 A1, International Request Form, Form PCT/ISA/210, Form PCT/IB/304, Form PCT/IB/308, COMMUNICATION REGARDING REQUESTED FIGURE, Translator's Declaration

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Unknown 10/523506		INTERNATIONAL APPLICATION NO. PCT/JP2003/010036	ATTORNEY'S DOCKET NUMBER 10921.0273USWO
BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):			
[X] a) Basic National fee.....\$300.00		\$300.00	
[X] b) Examination fee.....\$200.00		\$200.00	
[X] c) Search fee.....\$500.00		\$500.00	
TOTAL OF ABOVE CALCULATIONS =		\$1000.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.			
Total Sheets	Extra Sheets	Number of each additional set of sheets (1 set= 50 sheets)	Rate
44	-100 = 0	/50 =	X \$250.00 \$0.00
Surcharge of \$130.00 for furnishing the oath or declaration later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$0.00	
CLAIMS		NUMBER FILED	NUMBER EXTRA
Total claims		6 -20 = 0	X \$50.00 \$0.00
Independent claims		1 -3 = 0	X \$200.00 \$0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00 \$0.00
TOTAL OF ABOVE CALCULATIONS =		\$1000.00	
Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27		\$0.00	
SUBTOTAL =		\$1000.00	
Processing fee of \$130.00 for furnishing the English translation later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		+ \$0.00	
TOTAL NATIONAL FEE =		\$1000.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+ \$40.00	
TOTAL FEES ENCLOSED =		\$1000.00 & \$40.00	
		Amount to be: refunded	\$0.00
		charged	\$0.00
<p>a. <input checked="" type="checkbox"/> Check(s) in the amount of <u>\$1000.00 & \$40.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-2725</u>.</p>			
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>			
SEND ALL CORRESPONDENCE TO: Douglas P. Mueller MERCHANT & GOULD P.O. Box 2903 Minneapolis, MN 55402-0903		 SIGNATURE: _____ NAME: Douglas P. Mueller REGISTRATION NUMBER: 30,000	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/523506

Applicant: SUMIDA et al.
 Docket: 10921.0273USWO
 Title: METHOD OF SEPARATING TARGET GAS

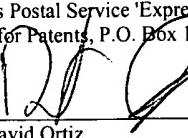
DT01 Rec'd PCT/PCT 04 FEB 2005

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EV 40725758 US

Date of Deposit: February 4, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 
 Name: David Ortiz

Mail Stop PCT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- National Stage PCT Patent Application: Spec. 29 pgs; 6 claims; Abstract 1 pgs.
The fee has been calculated as shown below in the 'Claims as Filed' table.
- 11 sheets of formal drawings
- A signed Combined Declaration and Power of Attorney
- Assignment of the invention to SUMITOMO SEIKA CHEMICALS CO., LTD. , Recordation Form Cover Sheet
- A check in the amount of \$1000.00 to cover the Filing Fee
- A check for \$40.00 to cover the Assignment Recording Fee.
- Information Disclosure Statement, Form 1449, 9 reference(s).
- Application Data Sheet, 5 pages.
- Other: COMMUNICATION UNDER 37 C.F.R. §1.32(c)(3), International Publication Page WO 2004/014523 A1, International Request Form, Form PCT/ISA/210, Form PCT/IB/304, Form PCT/IB/308, COMMUNICATION REGARDING REQUESTED FIGURE, Translator's Declaration, Preliminary Amendment (3 pages), PTO Form 1390
- Return postcard

CLAIMS AS FILED

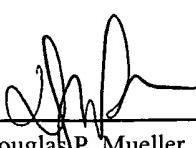
Number of Claims Filed	No.	In Excess of	Extra	Rate	=	Fee
Total Claims	6	20	0	\$50.00	=	\$0.00
Independent Claims	1	3	0	\$200.00	=	\$0.00
Multiple Dependent Claims Fee					=	\$0.00
Basic Filing Fee					=	\$300.00
Search Fee					=	\$200.00
Examination Fee					=	\$500.00
Utility Application Size Fee	44	100	0	\$250.00	=	\$0.00
Total					=	\$1000.00

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

23552

PATENT TRADEMARK OFFICE

MERCHANT & GOULD P.C.
 P.O. Box 2903, Minneapolis, MN 55402-0903
 (612) 332-5300

By: 
 Name: Douglas P. Mueller
 Reg. No.: 30,300
 Initials: DPM/acp

(PTO TRANSMITTAL - NEW FILING)

10/523506

DT01 Rec'd PCT/PTO 04 FEB 2005
PATENT

S/N Unknown

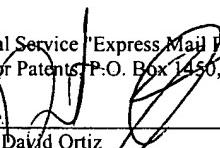
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: SUMIDA et al. Serial No.: Unknown
Filed: concurrent herewith Docket No.: 10921.0273USWO
Title: METHOD OF SEPARATING TARGET GAS

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EV 407257758 US
Date of Deposit: February 4, 2005

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 
Name: David Ortiz

COMMUNICATION UNDER 37 C.F.R. §1.32(c)(3)

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.32 (c)(3) please appoint the following practitioners named in the Power of Attorney to be recognized by the U.S. Patent Office as being of record in the above-identified application:

Brian H. Batzli (32,960)
John A. Clifford (30,247)
John J. Gresens (33,112)
Michael D. Schumann (30,422)

James A. Larson (40,443)
Douglas P. Mueller (30,300)
Curtis B. Hamre (29,165)
Gregory A. Sebald (33,280)

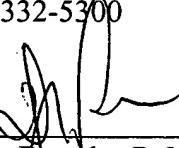
The undersigned was named on the Power of Attorney.

23552

PATENT TRADEMARK OFFICE

Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, Minnesota 55402-0903
(612) 332-5300

By: 

Douglas P. Mueller
Reg. No. 30,300

Dated: February 4, 2005

DPM/acp